

SPECIFICATION: EP4



Supplier: NBP International Inc., 135-10500 Côte de Liesse, Lachine, QC, H8T 1A4, Canada

1.0 Product: RinkSense – EP4

- .1 A cylindrical water treatment device which creates a rotational flow through the use of a proprietary platform. Pressure gradients, shear force and cavitation resulting from the flow change the condition of the water, which allows the water to freeze with improved crystalline formation.
- .2 Capable of being used to treat municipal standard potable water at temperatures between 10 & 20 °C. For use in indoor ice rinks for the purpose of building an ice sheet and/or resurfacing an ice sheet without the addition of chemicals, filters or additional energy supply.

2.0 Construction:

- .1 Components made from stainless steel (SS 316L) meeting CSA/ASTM specifications
- .2 Unit is to have 7 year warranty
- .3 Max. Pressure: 552 kPa (80 psi)¹
- .4 Min. Pressure : 152 kPa (22 psi)
- .5 Max. Temperature: 100 °C
- .6 Flow rate at max. pressure: 114 lpm (30 US gpm)
- .7 Sizes and tolerances: EP4

Overall Length	Diameter	Pipe connection
965 mm (38 in)	100 mm (4 in)	1 in NPT
± 6 mm (¼ in)	± 1.6 mm (1/16 in)	
Seasonal water delivery	1,300 k USG	4,936 k Liters

- .8 Acceptable Manufacturer: NBP International Inc.

3.0 Installation

- .1 Vertical or horizontal installations are acceptable.
- .2 Install in accordance with local code authority.
- .3 Install in accordance with manufacturer's instructions.
- .4 Flow direction: Single flow direction marked on unit
- .5 Exit flow condition: Straight, min. 710 mm (2 ft)
- .6 Minimize bends between flow exit and fill pipe

¹Pressure limits refer to service life. See ANSI B31.1 for burst pressures which are higher.